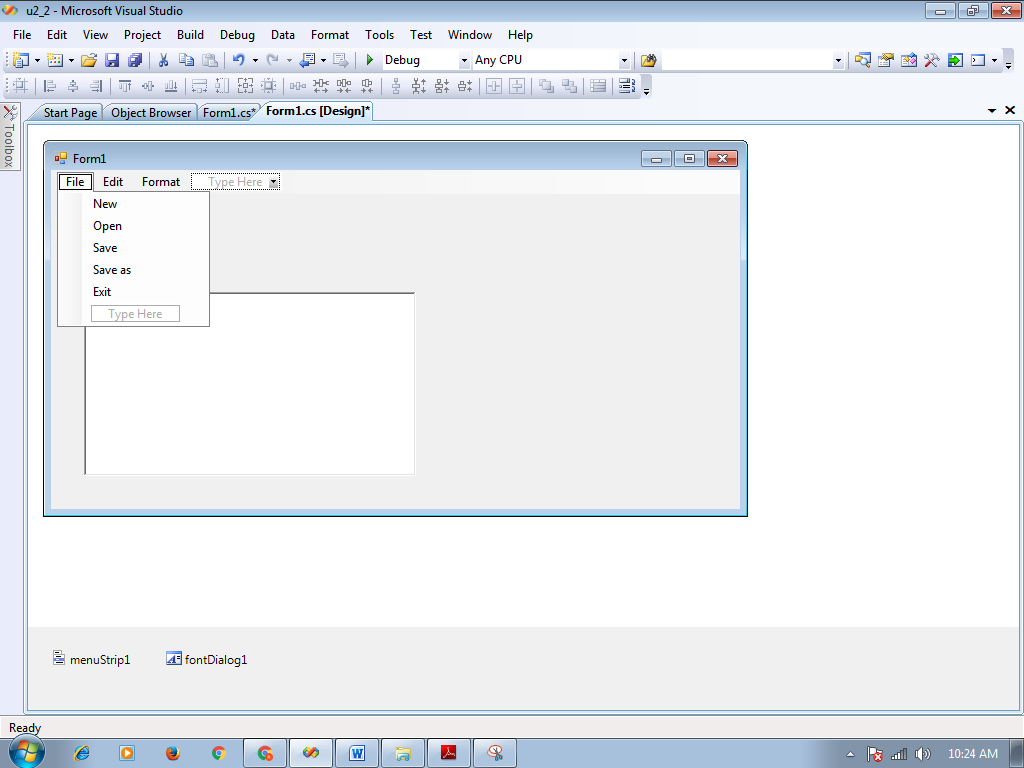
1. Implement textpad application using rich textbox. Make menus like File(New,open ,save,save as and exit),Edit(Cut,copy,paste ,undo ,redo),Format (Bold,italic ,underline ,font,color).use all common dialog control and implement functionalities.



using System;

using System.Collections.Generic; using System.ComponentModel; using System.Data;

using System.Drawing; using System.Linq; using System.Text;

using System.Windows.Forms;

namespace u2\_2

{

public partial class Form1 : Form

{

public Form1()

{

InitializeComponent();

}

private void newToolStripMenuItem\_Click(object sender, EventArgs e)

{

richTextBox1.Clear();

}

private void cutToolStripMenuItem\_Click(object sender, EventArgs e)

{

richTextBox1.Cut();

}

private void copyToolStripMenuItem\_Click(object sender, EventArgs e)

{

richTextBox1.Copy();

}

private void pasteToolStripMenuItem\_Click(object sender, EventArgs e)

{

richTextBox1.Paste();

}

private void undoToolStripMenuItem\_Click(object sender, EventArgs e)

{

richTextBox1.Undo();

}

private void redoToolStripMenuItem\_Click(object sender, EventArgs e)

{

richTextBox1.Redo();

}

private void boldToolStripMenuItem\_Click(object sender, EventArgs e)

{

richTextBox1.SelectionFont = new Font(richTextBox1.SelectionFont, FontStyle.Bold);

}

private void italicToolStripMenuItem\_Click(object sender, EventArgs

e)

{

richTextBox1.SelectionFont = new Font(richTextBox1.SelectionFont,

FontStyle.Italic);

}

private void underlineToolStripMenuItem\_Click(object sender, EventArgs e)

{

richTextBox1.SelectionFont = new Font(richTextBox1.SelectionFont, FontStyle.Underline);

}

private void fontToolStripMenuItem\_Click(object sender, EventArgs e)

{

if(fontDialog1.ShowDialog()==System.Windows.Forms.DialogResult.OK)

{

richTextBox1.SelectionFont = fontDialog1.Font;

}

}

private void colorToolStripMenuItem\_Click(object sender, EventArgs e)

{

if (colorDialog1.ShowDialog() == System.Windows.Forms.DialogResult.OK)

{

richTextBox1.SelectionColor = colorDialog1.Color;

}

}

private void openToolStripMenuItem\_Click(object sender, EventArgs e)

{

openFileDialog1.Filter = "TXT|\*.txt|DOC|\*.doc"; if (openFileDialog1.ShowDialog() ==

System.Windows.Forms.DialogResult.OK)

{

richTextBox1.LoadFile(openFileDialog1.FileName, RichTextBoxStreamType.PlainText);

this.Text = openFileDialog1.FileName;

}

}

private void saveToolStripMenuItem\_Click(object sender, EventArgs e)

{

saveFileDialog1.Filter = "TXT|\*.txt|DOC|\*.doc"; if (saveFileDialog1.ShowDialog() ==

System.Windows.Forms.DialogResult.OK)

{

richTextBox1.LoadFile(saveFileDialog1.FileName, RichTextBoxStreamType.PlainText);

}

}

private void saveAsToolStripMenuItem\_Click(object sender, EventArgs

e)

{

richTextBox1.SaveFile(this.Text,

RichTextBoxStreamType.PlainText);

}

private void exitToolStripMenuItem\_Click(object sender, EventArgs e)

{

this.Close();

}

private void findToolStripMenuItem\_Click(object sender, EventArgs e)

{

int pos;

pos = richTextBox1.Find(textBox1.Text, 1, richTextBox1.TextLength, RichTextBoxFinds.None);

if (pos > 0)

{

richTextBox1.SelectionStart = pos; richTextBox1.SelectionLength = textBox1.TextLength; richTextBox1.SelectionColor = Color.Blue;

}

}

private void replaceToolStripMenuItem\_Click(object sender, EventArgs

e)

{

richTextBox1.SelectedText = textBox2.Text;

}

private void findNextToolStripMenuItem\_Click(object sender, EventArgs

e)

{

int pos;

pos = richTextBox1.Find(textBox1.Text, 1,

richTextBox1.TextLength, RichTextBoxFinds.None); if (pos > 0)

{

richTextBox1.SelectionStart = pos; richTextBox1.SelectionLength = textBox1.TextLength; richTextBox1.SelectionColor = Color.Blue;

}

}

private void replacAllToolStripMenuItem\_Click(object sender, EventArgs e)

{

richTextBox1.Text = richTextBox1.Text.Replace(textBox1.Text, textBox2.Text);

}

private void zoomToolStripMenuItem1\_Click(object sender, EventArgs e)

{

richTextBox1.ZoomFactor = 5;

}

private void resizeToolStripMenuItem\_Click(object sender, EventArgs

e)

{

richTextBox1.Height = this.Height; richTextBox1.Width = this.Width;

}

private void searchAllHighlightsToolStripMenuItem\_Click(object sender, EventArgs e)

{

int index = 0;

Int64 startSearch = 0;

index = richTextBox1.Find(textBox1.Text, 0); while (index > -1)

{

index = richTextBox1.Find(textBox1.Text, Convert.ToInt16(startSearch), richTextBox1.TextLength, RichTextBoxFinds.None);

richTextBox1.SelectionColor = Color.Red; startSearch = index + 1;

}

}

}

}

1. Write a program to read and write binary file.

using System;

using System.Collections.Generic; using System.ComponentModel; using System.Data;

using System.Drawing; using System.Linq; using System.Text;

using System.Windows.Forms; using System.IO;

namespace WindowsFormsApplication3

{

public partial class Form1 : Form

{

public Form1()

{

InitializeComponent();

}

private void button1\_Click(object sender, EventArgs e)

{

FileStream fs = new FileStream("d:\\f2.bin",FileMode.Create);

BinaryWriter bw;

bw = new BinaryWriter(fs);

Int32 i = 12; bw.Write(i); double d = 34.45; bw.Write(d); bool b = true; bw.Write(b);

String s = "are"; bw.Write(s);

bw.Close();

fs.Close(); MessageBox.Show("creates");

}

private void button2\_Click(object sender, EventArgs e)

{

FileStream fs = new FileStream("d:\\f2.bin",FileMode.Open); BinaryReader br;

br = new BinaryReader(fs); Int32 i;

double d; bool b; String s;

i = br.ReadInt32();

textBox1.Text = i.ToString() + Environment.NewLine;

d = br.ReadDouble();

textBox1.Text += d.ToString() + Environment.NewLine;

b= br.ReadBoolean();

textBox1.Text += b.ToString() + Environment.NewLine; s= br.ReadString();

textBox1.Text += s.ToString() + Environment.NewLine;

br.Close();

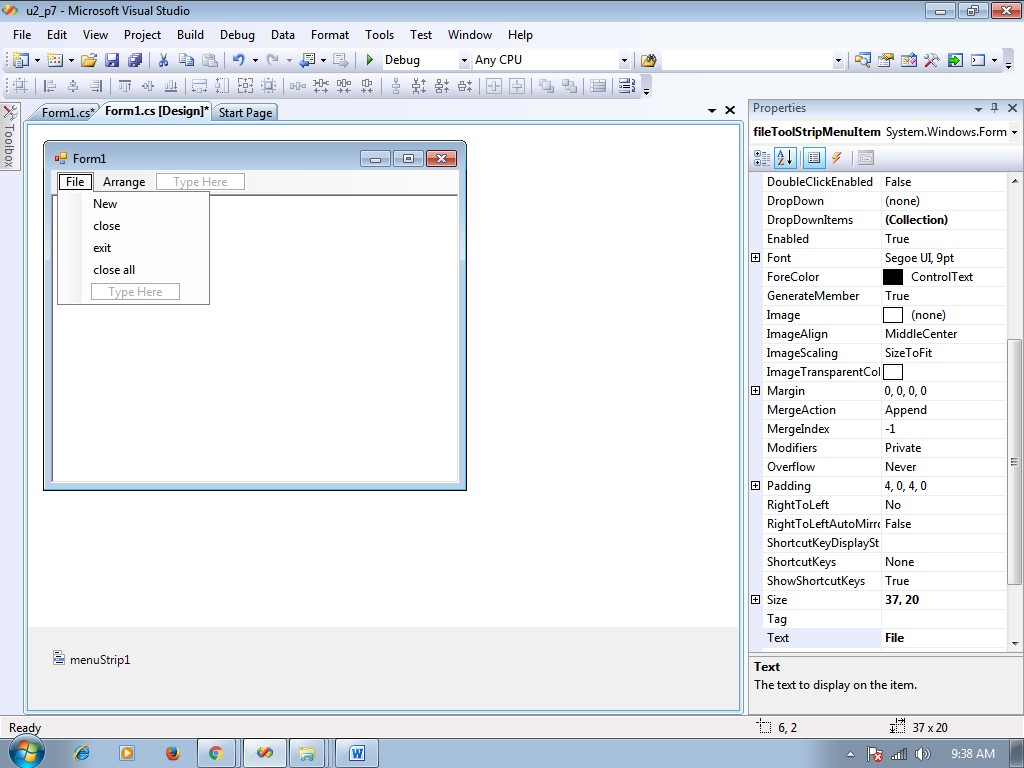
fs.Close();

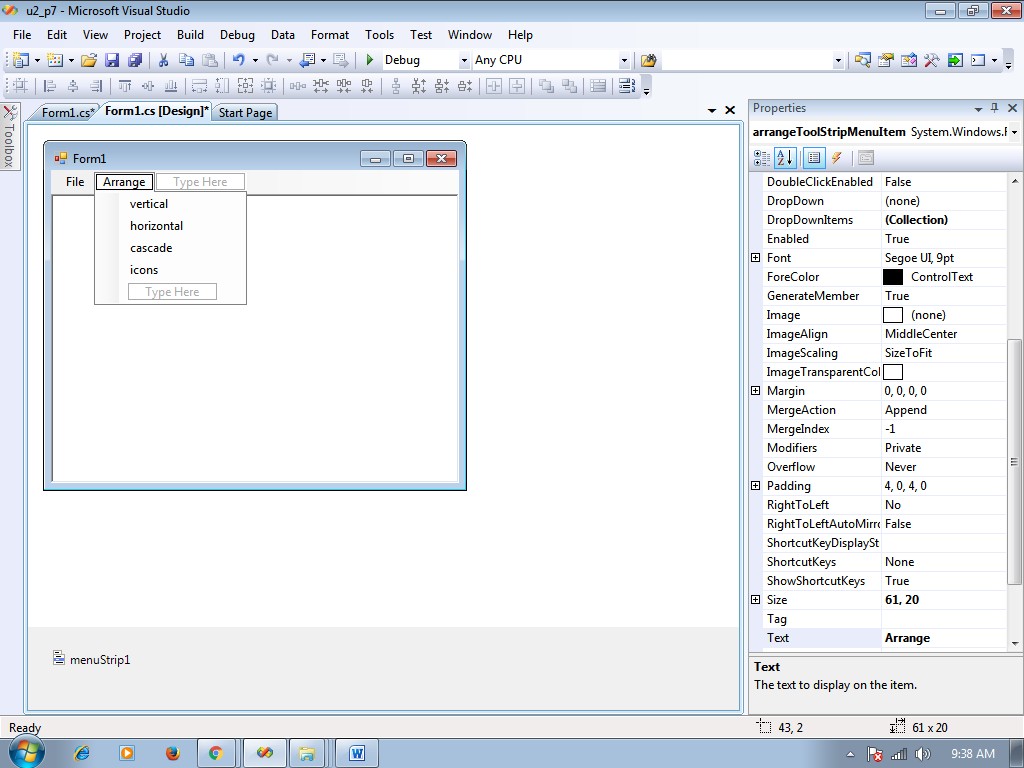
}

}

}

1. **Create MDI form. It must have file menu with option open, close and exit. It should also have window menu to arrange the child forms like tile horizontal, tile vertical, cascade and arrange icons.**





using System;

using System.Collections.Generic; using System.ComponentModel; using System.Data;

using System.Drawing; using System.Linq; using System.Text;

using System.Windows.Forms; using System.IO;

namespace u2\_p7

{

public partial class Form1 : Form

{

public Form1()

{

InitializeComponent();

}

private void newToolStripMenuItem\_Click(object sender, EventArgs e)

{

Form n;

n = new Form(); n.MdiParent = this; n.Show();

}

private void closeToolStripMenuItem\_Click(object sender, EventArgs e)

{

//ActivateMdiChild.close();

}

private void closeAllToolStripMenuItem\_Click(object sender, EventArgs

e)

{

foreach (Form f in this.MdiChildren)

{

f.Close();

}

}

private void exitToolStripMenuItem\_Click(object sender, EventArgs e)

{

this.Close();

}

private void verticalToolStripMenuItem\_Click(object sender, EventArgs

e)

{

this.LayoutMdi(MdiLayout.TileVertical);

}

private void horizontalToolStripMenuItem\_Click(object sender, EventArgs e)

{

this.LayoutMdi(MdiLayout.TileHorizontal);

}

private void cascadeToolStripMenuItem\_Click(object sender, EventArgs

e)

{

this.LayoutMdi(MdiLayout.Cascade);

}

private void iconsToolStripMenuItem\_Click(object sender, EventArgs e)

{

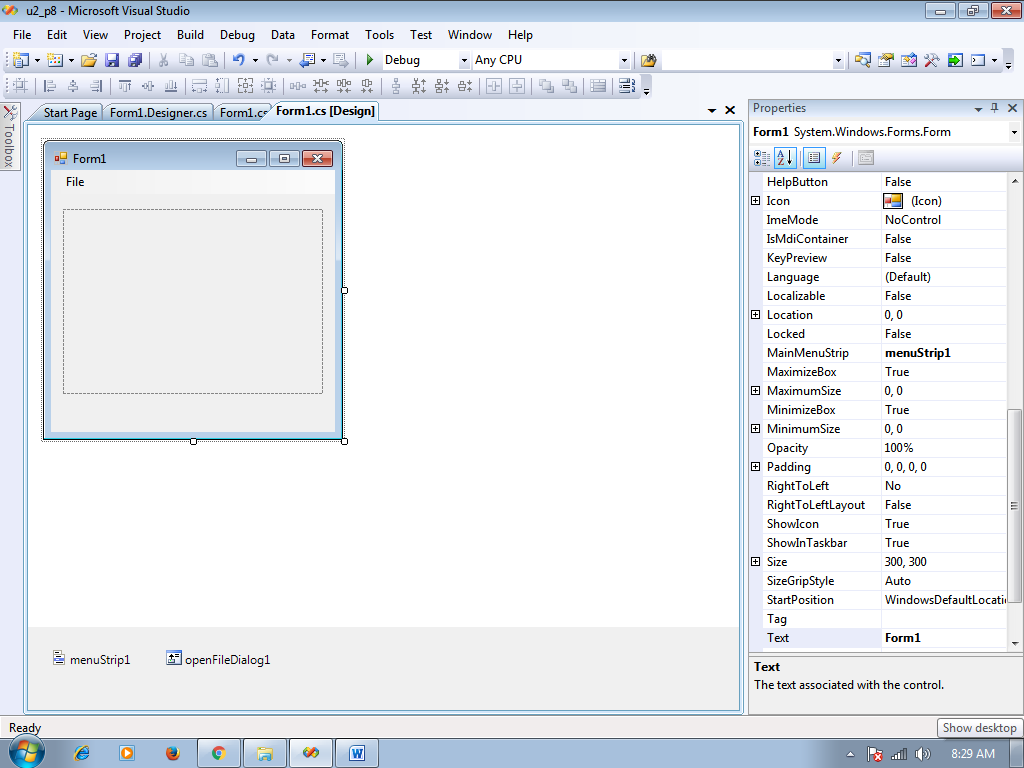
this.LayoutMdi(MdiLayout.ArrangeIcons);

}

}

}

1. **Create MDI form.it must have file menu with option open, close and exit and one picture box. Allow users to open any picture using open dialog box, that picture should be displayed in picture box.**



**Code**

using System;

using System.Collections.Generic; using System.ComponentModel; using System.Data;

using System.Drawing; using System.Linq; using System.Text;

using System.Windows.Forms; using System.IO;

namespace u2\_p8

{

public partial class Form1 : Form

{

public Form1()

{

InitializeComponent();

}

private void openToolStripMenuItem\_Click(object sender, EventArgs e)

{

openFileDialog1.ShowDialog();

pictureBox1.Image = Image.FromFile(openFileDialog1.FileName);

}

private void closeToolStripMenuItem\_Click(object sender, EventArgs e)

{

pictureBox1.Image = null;

}

private void exitToolStripMenuItem\_Click(object sender, EventArgs e)

{

pictureBox1.Image = null;

}

private void Form1\_Resize(object sender, EventArgs e)

{

pictureBox1.Height = this.Height; pictureBox1.Width = this.Width;

}

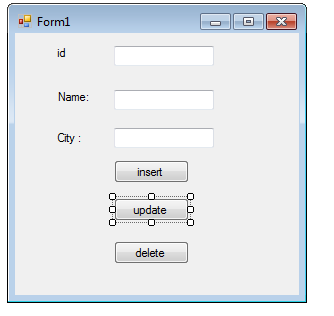
private void Form1\_Load(object sender, EventArgs e)

{

}

}

}



using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Windows.Forms;

using System.Data.OleDb;

namespace WindowsFormsApplication3

{

public partial class Form1 : Form

{

public Form1()

{

InitializeComponent();

}

OleDbConnection con = new OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0;Data Source=D:\\studb.accdb");

private void button1\_Click(object sender, EventArgs e)

{

//insert coding

con.Open();

OleDbCommand cmd = new OleDbCommand("insert into student values('" + textBox1.Text + "', '" + textBox2.Text + "' , '" + textBox3.Text + "')", con);

cmd.ExecuteNonQuery();

MessageBox.Show("Data Inserted Successfully.");

con.Close();

}

private void button3\_Click(object sender, EventArgs e)

{

//delete coding

con.Open();

OleDbCommand cmd = new OleDbCommand("delete from student where name='" + textBox2.Text + "'", con);

cmd.ExecuteNonQuery();

MessageBox.Show("Data Deleted Successfully.");

con.Close();

}

private void button2\_Click(object sender, EventArgs e)

{

//update coding

con.Open();

OleDbCommand cmd = new OleDbCommand("update student set name='" + textBox2.Text + "' where ID=" + textBox1.Text + "", con);

cmd.ExecuteNonQuery();

MessageBox.Show("Data Updated Successfully.");

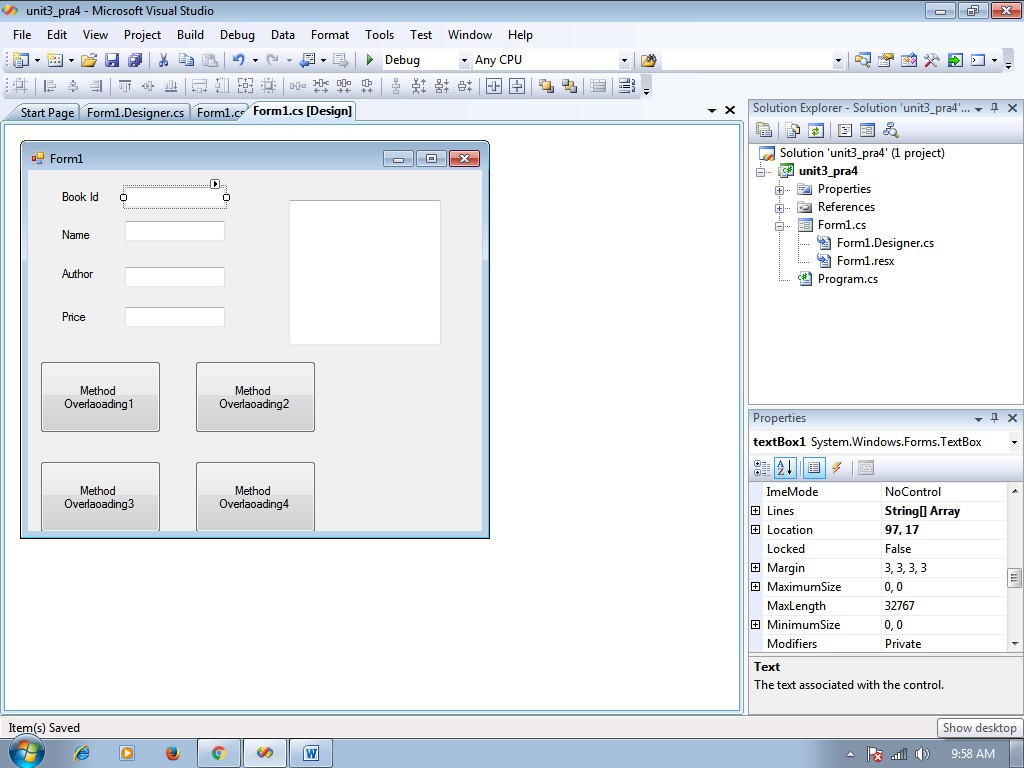
con.Close();

}

}

}

**1. Write a program the class book. Show Method Overloading.**



Coding using System;

using System.Collections.Generic;

using System.ComponentModel; using System.Data;

using System.Drawing; using System.Linq; using System.Text;

using System.Windows.Forms;

namespace unit3\_pra4

{

public partial class Form1 : Form

{

public Form1()

{

InitializeComponent();

}

//create class class clsprog4

{

public int b\_id, b\_price;

public string b\_name, b\_author;

public int getbook\_id()

{

return b\_id;

}

public void setBook\_id(int value)

{

b\_id = value;

}

public int getBook\_Price()

{

return b\_price;

}

public void setBook\_price(int value)

b\_price = value;

}

public string getBook\_name()

{

return b\_name;

}

public void setBook\_name(String value)

{

b\_name = value;

}

public string getBook\_author()

{

return b\_author;

}

public void setBook\_Author(string value)

{

b\_author = value;

}

public string showBookDetails()

{

return ("Book id:" + b\_id + "\r\n" + "Book Name" + b\_name + "\r\n" + "Book Price:" + b\_price + "\n\r" + "book\_author:" + b\_author);

}

public string ShowBookDetails(int bk\_id)

{

return ("book id:" + bk\_id);

}

public string ShowBookDetails(int bk\_id, string bk\_name)

{

return ("book\_id:" + bk\_id + "book name" + bk\_name);

}

public string ShowBookDetails(int bk\_id, string bk\_name, int bk\_price)

return ("book\_id:" + bk\_id + "book name" + bk\_name + "book price" + b\_price);

}

}

// close class and in below code is button click

private void button1\_Click(object sender, EventArgs e)

{

clsprog4 obj = new clsprog4();

obj.b\_id = Convert.ToInt16(textBox1.Text); obj.b\_name = textBox2.Text;

obj.b\_author = textBox3.Text;

obj.b\_price = Convert.ToInt16(textBox4.Text); textBox5.Text = obj.showBookDetails();

}

private void button2\_Click(object sender, EventArgs e)

{

clsprog4 obj = new clsprog4();

obj.b\_id = Convert.ToInt16(textBox1.Text); textBox5.Text = obj.ShowBookDetails(obj.b\_id);

}

private void button3\_Click(object sender, EventArgs e)

{

clsprog4 obj = new clsprog4();

obj.b\_id = Convert.ToInt16(textBox1.Text); obj.b\_name = textBox2.Text;

textBox5.Text = obj.ShowBookDetails(obj.b\_id, obj.b\_name);

}

private void button4\_Click(object sender, EventArgs e)

clsprog4 obj = new clsprog4();

obj.b\_id = Convert.ToInt16(textBox1.Text); obj.b\_name = textBox2.Text;

obj.b\_author = textBox3.Text;

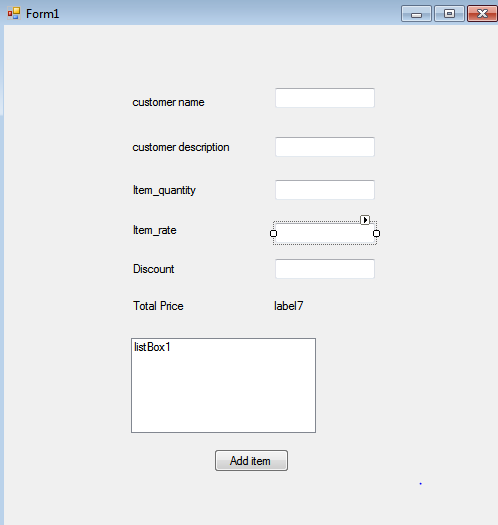
obj.b\_price = Convert.ToInt16(textBox4.Text); textBox5.Text = obj.showBookDetails();

}

}

}

# 5. Create an Invoice application in which user center the customer name , description, unit price and quantity for the item ordered, then clicks the add item button. The application calculates the order total by multiplying the unit price by the quantity. And calculates a discount based on the order total. The user can then add another item to the order by using all information.



Coding

using System;

using System.Collections.Generic; using System.ComponentModel; using System.Data;

using System.Drawing; using System.Linq; using System.Text;

using System.Windows.Forms;

namespace WindowsFormsApplication7

{

public partial class Form1 : Form

{

public Form1()

{

InitializeComponent();

}

//create class class clsinvoice

{

private string custname, itemdesc; private Int32 itemqty;

private Double itemprice, itemtotalprice; public string customer\_name

{

get { return custname; } set { custname = value; }

}

public string item\_description

{

get { return itemdesc; } set { itemdesc = value; }

}

public Int32 item\_quantity

{

get { return itemqty; } set { itemqty = value; }

}

public Double item\_price

{

get { return itemprice; } set { itemprice = value; }

}

public Double item\_totalprice

{

get { return itemtotalprice; } set { itemtotalprice = value; }

}

public Double calculateTotalprice()

{

return (item\_price \* item\_quantity);

}

}

// close class and in below code is button click private void button1\_Click(object sender, EventArgs

e)

{

clsinvoice inv = new clsinvoice(); inv.customer\_name = textBox1.Text; inv.item\_description = textBox2.Text; inv.item\_quantity =

Convert.ToInt16(textBox3.Text); inv.item\_price =

Convert.ToDouble(textBox4.Text); inv.item\_totalprice =

(Convert.ToDouble(textBox4.Text) \* Convert.ToInt16(textBox3.Text)) - (Convert.ToDouble(inv.calculateTotalprice() \* Convert.ToInt16(textBox5.Text) / 100));

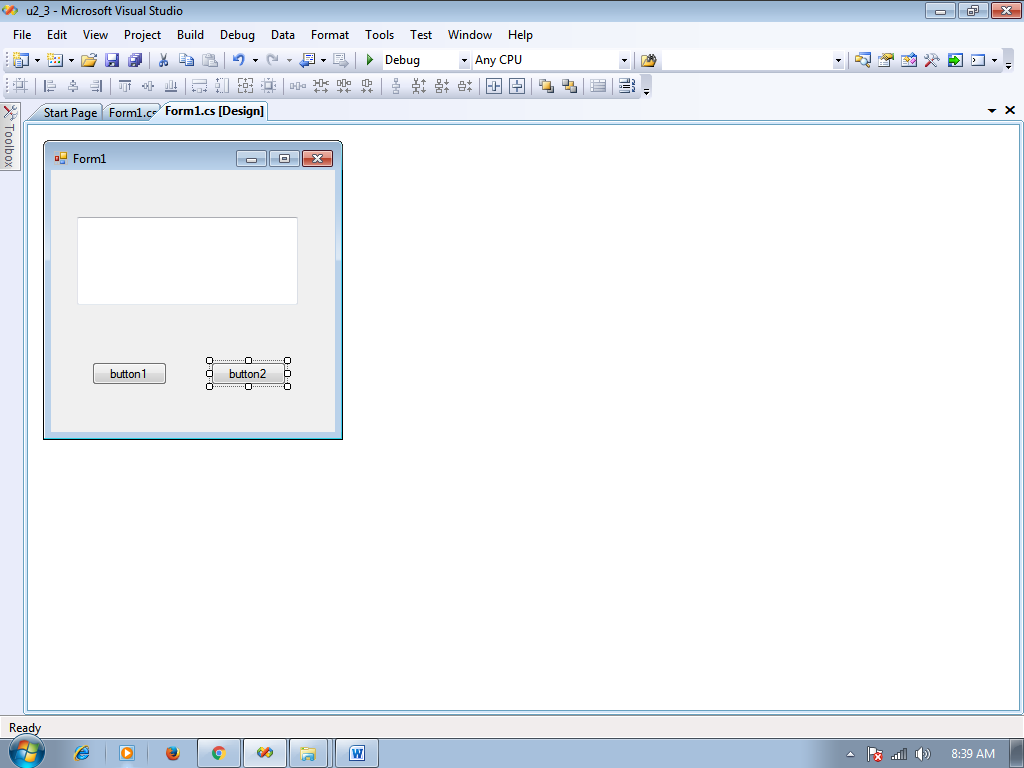
label7.Text = Convert.ToString(inv.item\_totalprice);

listBox1.Items.Add(inv.customer\_name + "|" + inv.item\_description + "|" + Convert.ToDouble(inv.item\_totalprice));

}

}

}

1. **Write a program to read and write text file. (tool box- textbox ,button1 ,button2)**

**Code**

using System;

using System.Collections.Generic; using System.ComponentModel; using System.Data;

using System.Drawing; using System.Linq; using System.Text;

using System.Windows.Forms; using System.IO;

// import using System.IO; namespace u2\_3

{

public partial class Form1 : Form

{

public Form1()

{

InitializeComponent();

}

private void button1\_Click(object sender, EventArgs e)

{

StreamWriter sw;

sw = new StreamWriter("d:\\f1.txt"); sw.WriteLine("hello"); sw.WriteLine(textBox1.Text); sw.WriteLine("hi hello"); sw.Close();

}

private void button2\_Click(object sender, EventArgs e)

{

StreamReader sr;

sr = new StreamReader("d:\\f1.txt"); textBox1.Text = sr.ReadToEnd(); sr.Close();

}

}

}